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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/621,892	07/17/2003	Hari B. Sunkara	SO0008 US NA	1496	
23906	7590 05/19/2004		EXAMINER		
E I DU PO	NT DE NEMOURS AND	TRUONG, DUC			
	ΓENT RECORDS CENTER IILL PLAZA 25/1128		ART UNIT	PAPER NUMBER	
4417 LANCASTER PIKE			1711		
WILMINGT	ON, DE 19805	DATE MAILED: 05/19/2004			

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary		Application	n No.	Applicant(s)						
		10/621,892	2	SUNKARA ET AL.						
		Examiner		Art Unit						
		Duc Truor	-	1711						
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply										
A SHI THE I Exter after If the If NO Failu Any I earne	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no ever within the statut will apply and will cause the applic	at, however, may a reply be tire ory minimum of thirty (30) day expire SIX (6) MONTHS from ation to become ABANDONE	nely filed /s will be considered time in the mailing date of this come ED (35 U.S.C. § 133).	ly. ommunication.					
Status										
1)	Responsive to communication(s) filed on									
,—	a) This action is FINAL . 2b) This action is non-final.									
ا_ا(3	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.									
	Closed in accordance with the practice and a	.x parto que	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
Dispositi	on of Claims									
5)□ 6)⊠ 7)□	Claim(s) <u>1-39</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrav Claim(s) is/are allowed. Claim(s) <u>1-39</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	wn from con								
Applicat	ion Papers									
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.										
Priority (under 35 U.S.C. § 119									
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 										
2) Notice 3) Infor	te of References Cited (PTO-892) be of References Cited (PTO-892) be of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) ber No(s)/Mail Date 0512.		4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:	Date	O-152)					

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gunatillake et al.

The reference discloses processes for the production of poly(alkylene oxide) which includes providing a polyhydroxy compound or compounds and an acid resin catalyst or a salt thereof that has been converted to the acid form; and reacting said polyhydroxy compound or compounds in the presence of said acid resin catalyst at a temperature and under conditions to allow polymerization (see Abstract and at col. 2, line 4 et seq.).

Note that at least in Example 9 at col. 6, the reference discloses a mixture of two diols such as 1,3-propanediol and a decanediol under conditions to form a poly(trimethylene decane ether) glycol.

The disclosure of the reference differs from the instant claims in that it does not disclose the condensation product of 1,3-propanediol and ethylene glycol reactants nor the steps of the continuous, semi-continuous and batch processes to form the product.

However, at least one Example discloses the condensation product of 1,3propanediol and a decane diol to form the copolymer, as stated above. Further, the Application/Control Number: 10/621,892

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reference does disclose the polyhydroxy compounds including alkanediols having from 2 to 20 carbon atoms (see col. 3, lines 25-30) and the use of a very broad teachings of steps under conditions to form the products.

Therefore, it would have been obvious to one of ordinary skill in the art to select ethylene glycol (C2) to replace said decane diol (C10) and to select the steps of the processes from the reference within the limitation of the instant claims to form the claimed product, a poly(trimethylene ethylene ether) diol, since they have been shown to be effective in a similar system and thus would have been expected to provide adequate results. There is no showing of unexpected results derived from said selection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duc Truong whose telephone number is 571-272-1081. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

DUCTRUONG

PRIMARY EXAMINES